

AMENDMENTS TO THE CLAIMS

1. (Canceled)
2. (Canceled)
3. (Original) A method for manufacturing a post-crosslinkable thermoplastic resin comprising polymerizing a polymerizable composition (A) comprising a norbornene monomer, a metathesis polymerization catalyst, a chain transfer agent, and a crosslinking agent by bulk polymerization.
4. (Currently Amended) The method according to claim 3, ~~any one of claims 1-3~~, wherein the maximum temperature during the bulk polymerization is less than 250°C.
5. (Currently Amended) The method according to claim 3, ~~any one of claims 1-4~~, wherein the polymerization conversion ratio is 80% or more.
6. (Currently Amended) The method according to claim 3, ~~any one of claims 1-5~~, wherein the chain transfer agent is a compound represented by the formula $\text{CH}_2=\text{CH}-\text{Q}$, wherein Q is a group which has at least one group selected from the group consisting of a methacryloyl group, acryloyl group, vinyl silyl group, epoxy group, and amino group.

7. (Canceled)

8. (Currently Amended) The method according to claim 3, ~~any one of claims 1, 3, 4, 5, or 6~~, wherein the norbornene monomer is a mixture containing a norbornene monomer having a carboxyl group or an acid anhydride group and the crosslinking agent is an epoxy compound.

9. (Currently Amended) The method according to claim 3, ~~any one of claims 1, 3, 4, 5, 6, or 8~~, wherein the crosslinking agent is a radical generating agent and the polymerizable composition (A) is polymerized by bulk polymerization at a reaction temperature below the one-minute half-life temperature of the radical generating agent.

10. (Original) The method according to claim 9, wherein the polymerizable composition (A) further comprises a radical crosslinking retarder.

11. (Currently Amended) A post-crosslinkable thermoplastic resin produced by the method according to claim 3 ~~any one of claims 1 to 10~~.

12. (Original) The thermoplastic resin according to claim 11, wherein the thermoplastic resin is molded into a film by polymerizing the polymerizable composition (A) on a supporting body by the bulk polymerization.

13. (Original) The thermoplastic resin according to claim 12, wherein the supporting body is a metal foil or a resin film.

14. (Original) The thermoplastic resin according to claim 1, wherein the thermoplastic resin is molded into a prescribed form by polymerizing the polymerizable composition (A) in a mold by the bulk polymerization.

15. (Original) The thermoplastic resin according to claim 1, obtained by impregnating a textile material with the polymerizable composition (A) and polymerizing the polymerizable composition (A) by bulk polymerization.

16. (Currently Amended) A method for producing a an insoluble crosslinked thermoplastic resin comprising crosslinking the post-crosslinkable thermoplastic resin according to claim 11 ~~any one of claims 11-15~~.

17. (Currently Amended) A method for producing a crosslinked resin composite material comprising a step of laminating the thermoplastic resin according to claim 11 ~~any one of claims 11-15~~ on a substrate and crosslinking the thermoplastic resin portion.

18. (Original) The method according to claim 17, wherein the substrate is a metal foil.

19. (Original) The method according to claim 18, wherein the metal foil is previously treated with a silane coupling agent of the following formula (1) or a thiol coupling agent of the following formula (2),



wherein R is a group having a double bond, a mercapto group, or an amino group at the terminal, X and Y individually represent a hydrolyzable group, a hydroxyl group, or an alkyl group, Z represents a hydrolyzable group or a hydroxyl group, T represents an aromatic ring, an aliphatic ring, a heterocyclic, or an aliphatic chain, and n is an integer of 2 or more.

20. (Original) The method according to claim 17, wherein the substrate is a printed circuit board.

21. (New) A method for manufacturing an insoluble polymer comprising:
polymerizing a polymerizable composition (A) comprising a norbornene monomer, a metathesis polymerization catalyst, a chain transfer agent, and a crosslinking agent by bulk polymerization without completely crosslinking the polymerizable composition (A) during the polymerizing of polymerizable composition (A), and then

crosslinking said post-crosslinkable thermoplastic resin in the presence of the crosslinking agent in polymerizable composition (A) in order to form the insoluble polymer.